Voya Infrastructure, Industrials & Materials Fund Form N-Q January 20, 2017

| UNITED S | STATES |
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SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number: 811-22144

Voya Infrastructure, Industrials and Materials Fund

(Exact name of registrant as specified in charter)

7337 East Doubletree Ranch Rd., Suite 100, Scottsdale, AZ 85258

(Address of principal executive offices) (Zip code)

Huey P. Falgout, Jr., 7337 East Doubletree Ranch Road, Suite 100, Scottsdale, AZ 85258

(Name and address of agent for service)

Registrant's telephone number, including area code: 1-800-992-0180

Date of fiscal year end: February 28

Date of reporting period: November 30, 2016

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The schedules of investments as of the close of the reporting period are set forth below for:

Voya Infrastructure, Industrials and Materials Fund

The schedules are not audited.

Voya Infrastructure, Industrials and Materials Fund PORTFOLIO OF INVESTMENTS as of November 30, 2016 (Unaudited)

| Shares | | Value | Percentage of Net Assets |
|---|---|--|---|
| COMMON ST | | | |
| 362,121 | Australia: 2.4% BHP Billiton Ltd. | \$6,767,976 | 2.4 |
| 95,600 3,278,000 | China: 3.5% China Mobile Ltd-SPON ADR China Railway Construction Corp. Ltd. | 5,228,364 4,652,138 9,880,502 | 1.9 1.6 3.5 |
| 2,352 | Denmark: 1.1% AP Moller - Maersk A/S - Class B | 3,107,026 | 1.1 |
| 39,154 136,791 @ 262,527 56,981 269,318 | France: 6.7% Air Liquide SA Alstom SA Orange SA Schneider Electric SE Suez | 3,989,454 3,700,213 3,823,004 3,782,209 3,754,764 19,049,644 | 1.4 1.3 1.4 1.3 1.3 6.7 |
| 59,585 214,472 67,585 | Germany: 5.7% BASF SE Deutsche Telekom AG Siemens AG | 5,148,737 3,375,205 7,618,437 16,142,379 | 1.8 1.2 2.7 5.7 |
| 175,201 1,959,337 | India: 3.2% Larsen & Toubro Ltd. Power Grid Corp. of India Ltd. | 3,531,232 5,486,198 9,017,430 | 1.3 1.9 3.2 |
| 2,164,100 | Indonesia: 1.2% United Tractors Tbk PT | 3,345,288 | 1.2 |
| 1,151,086 | Italy: 1.6% Enel S.p.A. | 4,647,697 | 1.6 |
| 781,000 245,500 | Japan: 12.0% Hitachi Ltd. LIXIL Group Corp. | 4,247,949 5,523,804 | 1.5 1.9 |

| 281,700 257,000 194,000 126,200 65,900 201,800 | JSR Corp. Komatsu Ltd. Mitsubishi Corp. NTT DoCoMo, Inc. Shin-Etsu Chemical Co., Ltd. Sumco Corp. | 4,116,692 6,045,623 4,244,518 2,889,571 4,939,124 2,266,299 34,273,580 | 1.5 2.1 1.5 1.0 1.7 0.8 12.0 | |
|--|--|---|---|--|
| 88,067 54,495 134,846 85,938 | Netherlands: 5.2% Airbus Group SE Koninklijke DSM NV Koninklijke Philips NV #,@ Philips Lighting NV | 5,615,187 3,308,765 3,870,843 1,967,358 14,762,153 | 2.0 1.2 1.3 0.7 5.2 | |
| 14,870 | South Korea: 1.0% SK Telecom Co., Ltd. | 2,869,269 | 1.0 | |
| Shares | | Va | ılue | Percentage of Net Assets |
| COMMC | N STOCK: (continued) | | | |
| 188,366 | Spain: 1.1% Gas Natural SDG S.A. | 3, | ,219,212 | 1.1 |
| 179,749 313,251 | Sweden: 2.3% SKF AB - B Shares Volvo AB - B Shares | 3, | .234,350 .349,464 .583,814 | 1.1 1.2 2.3 |
| 135,413 | Taiwan: 1.4% Taiwan Semiconductor Manufacturing Co., | Ltd. ADR 4, | ,020,412 | 1.4 |
| 373,604 | United Kingdom: 1.1% CNH Industrial NV | 3, | ,185,395 | 1.1 |
| 61,860 51,130 130,288 43,014 52,220 110,711 38,370 161,221 50,148 245,332 | United States: 50.4% Acuity Brands, Inc. @ AdvanSix, Inc. Albemarle Corp. American Electric Power Co., Inc. AT&T, Inc. Cummins, Inc. Deere & Co. Dow Chemical Co. DTE Energy Co. Exelon Corp. General Dynamics Corp. General Electric Co. | 44 5, 3, 5, 6, 5, 6, 3, 5, 8, | ,642,679 4,319 ,430,071 ,019,226 ,033,025 ,098,525 ,232,444 ,168,817 ,571,863 ,241,295 ,793,452 ,546,412 | 1.3 0.0 1.9 1.1 1.8 2.1 1.8 2.2 1.3 1.8 3.1 2.7 |
| 59,256 53,049 | Honeywell International, Inc. JB Hunt Transport Services, Inc. | | ,751,629 ,059,283 | 2.4 1.8 |

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| 28,906 | L-3 Communications Holdings, Inc. | 4,560,500 | 1.6 |
|---------|-----------------------------------|-------------|------|
| 69,295 | Lincoln Electric Holdings, Inc. | 5,440,350 | 1.9 |
| 19,700 | Lockheed Martin Corp. | 5,225,425 | 1.8 |
| 46,584 | NextEra Energy, Inc. | 5,321,290 | 1.9 |
| 58,988 | Nucor Corp. | 3,668,464 | 1.3 |
| 83,899 | PG&E Corp. | 4,933,261 | 1.7 |
| 62,706 | Packaging Corp. of America | 5,314,961 | 1.9 |
| 31,084 | Parker Hannifin Corp. | 4,318,500 | 1.5 |
| 132,238 | Plains GP Holdings L.P. | 4,649,488 | 1.6 |
| 31,503 | Roper Technologies, Inc. | 5,705,508 | 2.0 |
| 44,360 | Schlumberger Ltd. | 3,728,458 | 1.3 |
| 21,920 | Snap-On, Inc. | 3,665,024 | 1.3 |
| 129,414 | Steel Dynamics, Inc. | 4,591,609 | 1.6 |
| 74,701 | Valero Energy Corp. | 4,598,594 | 1.6 |
| 47,915 | Vulcan Materials Co. | 6,020,520 | 2.1 |
| | | 143,374,992 | 50.4 |
| 7 | Total Common Stock | | |
| (| Cost \$250,460,815) | 284,246,769 | 99.9 |

Voya Infrastructure, Industrials and Materials Fund PORTFOLIO OF INVESTMENTS as of November 30, 2016 (Unaudited) (Continued)

| Shares | ERM INVESTMENTS: 0.6% | Value | Percentage of Net Assets |
|-----------|--|---------------|--------------------------------|
| 511OK1-1 | Mutual Funds: 0.6% | | |
| 1,708,000 | BlackRock Liquidity Funds, FedFund, Institutional Class, 0.310% (Cost \$1,708,000) | 1,708,000 | 0.6 |
| | Total Short-Term Investments (Cost \$1,708,000) | 1,708,000 | 0.6 |
| | Total Investments in Securities (Cost \$252,168,815) | \$285,954,769 | 100.5 |
| | Liabilities in Excess of Other Assets | (1,509,742) | (0.0 |
| | Net Assets | \$284,445,027 | 100.0 |

Becurities with purchases pursuant to Rule 144A or section 4(a)(2), under the Securities Act of 1933 and may not be resold subject to that rule except to qualified institutional buyers.

ADR American Depositary Receipt

Cost for federal income tax purposes is \$252,972,530.

Net unrealized appreciation consists of:

Gross Unrealized Appreciation \$45,982,009 Gross Unrealized Depreciation (12,999,770)

Net Unrealized Appreciation \$32,982,239

| Industry Diversification | Percentage of Net Assets | | | |
|--------------------------|--------------------------|---|--|--|
| Machinery | 13.8 | % | | |
| Chemicals | 11.7 | | | |
| Aerospace & Defense | 9.3 | | | |
| Electric Utilities | 7.2 | | | |
| Industrial Conglomerates | 6.7 | | | |
| Electrical Equipment | 6.6 | | | |

[@] Non-income producing security.

| Diversified Telecommunication Services | 4.4 | |
|--|-------|---|
| Industrials | 4.2 | |
| Building Materials | 4.0 | |
| Metals & Mining | 4.0 | |
| Multi-Utilities | 3.0 | |
| Construction & Engineering | 2.9 | |
| Wireless Telecommunication Services | 2.9 | |
| Paper Packaging | 1.9 | |
| Road & Rail | 1.8 | |
| Pipelines | 1.6 | |
| Oil & Gas Refining & Marketing | 1.6 | |
| Electronic Equipment, Instruments & Components | 1.5 | |
| Trading Companies & Distributors | 1.5 | |
| Information Technology | 1.4 | |
| Oil & Gas Equipment & Services | 1.3 | |
| Materials | 1.3 | |
| Electric | 1.3 | |
| Gas Utilities | 1.1 | |
| Utilities | 1.1 | |
| Telecommunication Services | 1.0 | |
| Semiconductors | 0.8 | |
| Short-Term Investments | 0.6 | |
| Liabilities in Excess of Other Assets | (0.5 |) |
| Net Assets | 100.0 | % |

Voya Infrastructure, Industrials and Materials Fund
as of November 30, 2016 (Unaudited) (Continued)

Fair Value Measurements

The following is a summary of the fair valuations according to the inputs used as of November 30, 2016 in valuing the assets and liabilities:

| | Quoted Prices in Active Markets for Identical Investments (Level 1) | Significant Other Observable Inputs# (Level 2) | Significant Unobservable Inputs (Level 3) | | | |
|----------------------------------|---|--|--|---|---------------|---|
| Asset Table | | | | | | |
| Investments, at fair value | | | | | | |
| Common Stock | | | | | | |
| Australia | \$ - | \$6,767,976 | \$ | _ | \$6,767,976 | |
| China | 5,228,364 | 4,652,138 | | _ | 9,880,502 | |
| Denmark | _ | 3,107,026 | | _ | 3,107,026 | |
| France | _ | 19,049,644 | | _ | 19,049,644 | |
| Germany | _ | 16,142,379 | | _ | 16,142,379 | |
| India | _ | 9,017,430 | | _ | 9,017,430 | |
| Indonesia | _ | 3,345,288 | | _ | 3,345,288 | |
| Italy | _ | 4,647,697 | | _ | 4,647,697 | |
| Japan | _ | 34,273,580 | | _ | 34,273,580 | |
| Netherlands | 1,967,358 | 12,794,795 | | _ | 14,762,153 | |
| South Korea | _ | 2,869,269 | | _ | 2,869,269 | |
| Spain | _ | 3,219,212 | | _ | 3,219,212 | |
| Sweden | _ | 6,583,814 | | _ | 6,583,814 | |
| Taiwan | 4,020,412 | _ | | _ | 4,020,412 | |
| United Kingdom | _ | 3,185,395 | | _ | 3,185,395 | |
| United States | 143,374,992 | _ | | _ | 143,374,992 | |
| Total Common Stock | 154,591,126 | 129,655,643 | | _ | 284,246,769 | |
| Short-Term Investments | 1,708,000 | _ | | _ | 1,708,000 | |
| Total Investments, at fair value | \$ 156,299,126 | \$129,655,643 | \$ | _ | \$285,954,769 | |
| Liabilities Table | | | | | | |
| Other Financial Instruments+ | | | | | | |
| Written Options | \$ - | \$(2,003,096) | \$ | _ | \$(2,003,096 |) |
| Total Liabilities | \$ - | \$(2,003,096) | \$ | _ | \$(2,003,096 |) |

⁺Other Financial Instruments are derivatives not reflected in the portfolio of investments and may include open forward foreign currency contracts, futures, centrally cleared swaps, OTC swaps and written options. Forward foreign currency contracts, futures and centrally cleared swaps are valued at the unrealized gain (loss) on the

instrument. OTC swaps and written options are valued at the fair value of the instrument.

The earlier close of the foreign markets gives rise to the possibility that significant events, including broad market moves, may have occurred in the interim and may materially affect the value of those securities. To account for this, #the Fund may frequently value many of its foreign equity securities using fair value prices based on third party vendor modeling tools to the extent available. Accordingly, a portion of the Fund's investments are categorized as Level 2 investments.

At November 30, 2016, the following over-the-counter written options were outstanding for Voya Infrastructure, Industrials and Materials Fund:

| Number of Contracts | Counterparty | Description | Exercise Price | | Expiration Date | Premiums Received | Fair Value |
|---------------------|---|--|-------------------|-----|-----------------|----------------------|---------------|
| Options of | on Indices | | | | | | |
| 591,324 | Morgan Stanley & Co. International PLC | Call on Industrial Select Sector SPDR® Fund | 61.320 | USD | 12/15/16 | \$558,404 | \$(783,470) |
| 689,897 | UBS AG | Call on iShares MSCI EAFE ETF | 56.820 | USD | 12/15/16 | 533,153 | (486,050) |
| 225,612 | Morgan Stanley & Co. International PLC | Call on iShares MSCI Emerging Markets ETF | 34.750 | USD | 12/15/16 | 175,616 | (238,810) |
| 303,782 | Morgan Stanley & Co. International PLC | Call on Materials Select Sector SPDR® Fund | 48.390 | USD | 12/15/16 | 254,310 | (494,766) |
| | | Total Written OTC Option | IS | | | \$1,521,483 | \$(2,003,096) |

Voya Infrastructure, Industrials and Materials Fund

PORTFOLIO OF INVESTMENTS
as of November 30, 2016 (Unaudited) (Continued)

A summary of derivative instruments by primary risk exposure is outlined in the following tables.

The fair value of derivative instruments as of November 30, 2016 was as follows:

Fair Value

Derivatives not accounted for as hedging instruments

Liability Derivatives Instrument Type

Equity contracts Written options \$2,003,096 Total Liability Derivatives \$2,003,096

The following is a summary by counterparty of the fair value of OTC derivative instruments subject to Master Netting Agreements and collateral pledged (received), if any, at November 30, 2016:

| | Morgan Stanley & Co. International PLC | | | UBS AG | Totals |
|---|---|------------|---|-------------|---------------|
| Liabilities: | | | | | |
| Written options | \$ | 1,517,046 | | \$486,050 | \$2,003,096 |
| Total Liabilities | \$ | 1,517,046 | | \$486,050 | \$2,003,096 |
| Net OTC derivative instruments by counterparty, at fair value | \$ | (1,517,046 |) | \$(486,050) | (2,003,096) |
| Total collateral pledged by the Fund/(Received from counterparty) | \$ | - | | \$- | \$- |
| Net Exposure ⁽¹⁾ | \$ | (1,517,046 |) | \$(486,050) | \$(2,003,096) |

Positive net exposure represents amounts due from each respective counterparty. Negative exposure represents amounts due from the Fund.

Item 2. Controls and Procedures.

Based on our evaluation conducted within 90 days of the filing date, hereof, the design and operation of the registrant's disclosure controls and procedures are effective to ensure that material information relating to the registrant is made known to the certifying officers by others within the appropriate entities, particularly during the period in which Forms N-Q are being prepared, and the registrant's disclosure controls and procedures allow timely preparation and review of the information for the registrant's Form N-Q and the officer certifications of such Form N-Q.

There were no significant changes in the registrant's internal controls over financial reporting that occurred during (b) the registrant's last fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Act (17 CFR 270.30a-2) is attached hereto as EX-99.CERT.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant): Voya Infrastructure, Industrials and Materials Fund

By /s/ Shaun P. Mathews

Shaun P. Mathews

President and Chief Executive Officer

Date: January 20, 2017

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By /s/ Shaun P. Mathews
Shaun P. Mathews
President and Chief Executive Officer

Date: January 20, 2017

By /s/ Todd Modic
Todd Modic
Senior Vice President and Chief Financial Officer

Date: January 20, 2017